

## **APPENDIX 1**

**As shown herein, figures FIG. 1A, FIG. 1B and FIG. 2B are to be deleted. The deleted matter is shown by brackets. A set of amendment (replacement) figures FIG. 1A, FIG. 1B and FIG. 2B, are provided thereafter.**

**FIG. 1A**

Met Leu Ala Arg Ala Leu Leu Leu Cys Ala Val Leu Ala Leu Ser His  
 1 5 10 15  
 Thr Ala Asn Pro Cys Cys Ser His Pro Cys Gln Asn Arg Gly Val Cys  
 20 25 30  
 Met Ser Val Gly Phe Asp Gln Tyr Lys Cys Asp Cys Thr Arg Thr Gly  
 35 40 45  
 Phe Tyr Gly Glu Asn Cys Ser Thr Pro Glu Phe Leu Thr Arg Ile Lys  
 50 55 60  
 Leu Phe Leu Lys Pro Thr Pro Asn Thr Val His Tyr Ile Leu Thr His  
 65 70 75 80  
 Phe Lys Gly Phe Trp Asn Val Val Asn Asn Ile Pro Phe Leu Arg Asn  
 85 90 95  
 Ala Ile Met Ser Tyr Val Leu Thr Ser Arg Ser His Leu Ile Asp Ser  
 100 105 110  
 Pro Pro Thr Tyr Asn Ala Asp Tyr Gly Tyr Lys Ser Trp Glu Ala Phe  
 115 120 125  
 Ser Asn Leu Ser Tyr Tyr Thr Arg Ala Leu Pro Pro Val Pro Asp Asp  
 130 135 140  
 Cys Pro Thr Pro Leu Gly Val Lys Gly Lys Lys Gln Leu Pro Asp Ser  
 145 150 155 160  
 Asn Glu Ile Val Glu Lys Leu Leu Leu Arg Arg Lys Phe Ile Pro Asp  
 165 170 175  
 Pro Gln Gly Ser Asn Met Met Phe Ala Phe Phe Ala Gln His Phe Thr  
 180 185 190  
 His Gln Phe Phe Lys Thr Asp His Lys Arg Gly Pro Ala Phe Thr Asn  
 195 200 205  
 Gly Leu Gly His Gly Val Asp Leu Asn His Ile Tyr Gly Glu Thr Leu  
 210 215 220  
 Ala Arg Gln Arg Lys Leu Arg Leu Phe Lys Asp Gly Lys Met Lys Tyr  
 225 230 235 240  
 Gln Ile Ile Asp Gly Glu Met Tyr Pro Pro Thr Val Lys Asp Thr Gln  
 245 250 255  
 Ala Glu Met Ile Tyr Pro Pro Gln Val Pro Glu His Leu Arg Phe Ala  
 260 265 270  
 Val Gly Gln Glu Val Phe Gly Leu Val Pro Gly Leu Met Met Tyr Ala  
 275 280 285  
 Thr Ile Trp Leu Arg Glu His Asn Arg Val Cys Asp Val Leu Lys Gln  
 290 295 300

FIG. 1B

Glu His Pro Gln Trp Gly Asp Glu Gln Leu Phe Gln Thr Ser Arg Leu  
 305 310 315 320  
 Ile Leu Ile Gly Gln Thr Ile Lys Ile Val Ile Glu Asp Tyr Val Gln  
 325 330 335  
 His Leu Ser Gly Tyr His Phe Lys Leu Lys Phe Asp Pro Glu Leu Leu  
 340 345 350  
 Phe Asn Lys Gln Phe Gln Tyr Gln Asn Arg Ile Ala Ala Glu Phe Asn  
 355 360 365  
 Thr Leu Tyr His Trp His Pro Leu Leu Pro Asp Thr Phe Gln Ile His  
 370 375 380  
 Asp Gln Lys Tyr Asn Tyr Gln Gln Phe Ile Tyr Asn Asn Ser Ile Leu  
 385 390 395 400  
 Leu Glu His Gly Ile Thr Gln Phe Val Glu Ser Phe Thr Arg Gln Ile  
 405 410 415  
 Ala Gly Arg Val Ala Gly Gly Arg Asn Val Pro Pro Ala Val Gln Lys  
 420 425 430  
 Val Ser Gln Ala Ser Ile Asp Gln Ser Arg Gln Met Lys Tyr Gln Ser  
 435 440 445  
 Phe Asn Glu Tyr Arg Lys Arg Phe Met Leu Lys Pro Tyr Gln Ser Phe  
 450 455 460  
 Glu Glu Leu Thr Gly Glu Lys Glu Met Ser Ala Glu Leu Glu Ala Leu  
 465 470 475 480  
 Tyr Gly Asp Ile Asp Ala Val Glu Leu Tyr Pro Ala Leu Leu Val Gln  
 485 490 495  
 Lys Pro Arg Pro Asp Ala Ile Phe Gly Glu Thr Met Val Glu Val Gly  
 500 505 510  
 Ala Pro Phe Ser Leu Lys Gly Leu Met Gly Asn Val Ile Cys Ser Pro  
 515 520 525  
 Ala Tyr Trp Lys Pro Ser Thr Phe Gly Gly Glu Val Gly Phe Gln Ile  
 530 535 540  
 Ile Asn Thr Ala Ser Ile Gln Ser Leu Ile Cys Asn Asn Val Lys Gly  
 545 550 555 560  
 Cys Pro Phe Thr Ser Phe Ser Val Pro Asp Pro Glu Leu Ile Lys Thr  
 565 570 575  
 Val Thr Ile Asn Ala Ser Ser Ser Arg Ser Gly Leu Asp Asp Ile Asn  
 580 585 590  
 Pro Thr Val Leu Leu Lys Glu Arg Ser Thr Glu Leu  
 595 600

FIG. 2B

CTCAATTCAG TCTCTCATCT GCAATAACGT GAAGGGCTGT CCCTTTACTT CATTCACTGT	1800
TCCAGATCCA GAGCTCATTAA AACAGTCAC CATCAATGCA AGTCTTCC GCTCCGACT	1860
AGATGATATC AATCCACAG TACTACTAAA AGAACGGTCG ACTGAACTGT AGAAGTCTA	1920
TGATCATATT TATTTATTIA TATGAACCAT GTCTATTAAT TTAATTATTT AATAATATTT	1980
ATATTAAACT CCTTATGTTA CTTAACATCT TCTGTAACAG AAGTCAGTAC TCCTGTGCG	2040
GAGAAAGGAG TCATACTTGT GAAGACTTTT ATGTCACTAC TCTAAAGATT TTGCTGTTC	2100
TGTTAAGTTT GGAAAACAGT TTTTATTCTG TTTTATAAAC CAGAGAGAAA TGAGTTTGA	2160
CGTCTTTTTA CTGGAATTC AACTTATATT ATAAGGACGA AAGTAAAGAT GTTTGAATAC	2220
TTAAACACTA TCACAAGATG CCAAAATGCT GAAAGTTTTT AACTGTGCGA TGTTTCCAAT	2280
GCATCTTCCA TGATGCATTA GAAGTAACTA ATGTTTGAAA TTTTAAAGTA CTTTGGGTA	2340
TTTTCTGTC ATCAAACAAA ACAGGTATCA GTGCATTATT AAATGAATAT TTAAATTAGA	2400
CATTACCAGT AATTCATGT CTACTTTTTA AAATCAGCAA TGAACAATA ATTTGAAATT	2460
TCTAAATTC TAGGGTAGAA TCACCTGTAA AAGCTTGTIT GATTCTTAA AGTTATTAAA	2520
CTTGACATA TACCAAAAAG AAGCTGTCTT GGATTAAAT CTGIAAAATC AGATGAAATT	2580
TTACTACAAT TGCTTGTTAA AATATTTTAT AAGTGATGTT CCTTTTCAC CAAGAGTATA	2640
AACCTTTTTA GTGTGACTGT TAAAACCTCC TTTTAAATCA AAATGCCAAA TTTATTAAGG	2700
TGGTGGAGCC ACTGCAGTGT TATCTCAAAA TAAGAAATAT CTGTTGAGAT ATTCCAGAAT	2760
CTGTTTATAT GGCTGGTAAC ATGTAAAAAC CCCATAACCC CGCCAAAAGG GGTCTACCC	2820
TTGAACATAA AGCAATAACC AAAGGAGAAA AGCCCAAATT ATTGGTTCCA AATTAGGGT	2880
TTAAACTTTT TGAAGCAAAC TTTTTTTAG CCTTGTGCAC TGCAGACCTG GACTCAGAT	2940
TTTGCTATGA GGTAAATGAA GTACCAAGCT GTGCTTGAAT AACGATATGT TTTCTCAGAT	3000
TTTCTGTGT ACAGTTAAT TTAGCAGTCC ATATCACATT GCAAAAGTAG CAATGACCTC	3060
ATAAAATACC TCTTCAAAAT GCTTAAATTC ATTTACACA TTAATTTTAT CTCAGTCTTG	3120
AAGCCAATTC AGTAGGTGCA TTGGAATCAA GCTGCTAC CTGCATGCTG TTCCTTTCT	3180
TTTCTTCTT TAGCCATTTT GCTAAGAGAC ACAGTCTTCT CAAACACTTC GTTCTCTTA	3240
TTTGTTTTA CTAGTTTTAA GATCAGAGTT CACTTCTTT GGACTCTGCC TATATTTCT	3300
TACCTGAACT TTGCAAGTT TTCAGGTAAC CCYCAGTCA GGAAGTCTAT TTAGCTCTC	3360
TTAAGAAGAT TAAAAAAGG AAAAAAG	3387

FIG. 1A

Met Leu Ala Arg Ala Leu Leu Leu Cys Ala Val Leu Ala Leu Ser His  
 1 5 10 15  
 Thr Ala Asn Pro Cys Cys Ser His Pro Cys Gln Asn Arg Gly Val Cys  
 20 25 30  
 Met Ser Val Gly Phe Asp Gln Tyr Lys Cys Asp Cys Thr Arg Thr Gly  
 35 40 45  
 Phe Tyr Gly Glu Asn Cys Ser Thr Pro Glu Phe Leu Thr Arg Ile Lys  
 50 55 60  
 Leu Phe Leu Lys Pro Thr Pro Asn Thr Val His Tyr Ile Leu Thr His  
 65 70 75 80  
 Phe Lys Gly Phe Trp Asn Val Val Asn Asn Ile Pro Phe Leu Arg Asn  
 85 90 95  
 Ala Ile Met Ser Tyr Val Leu Thr Ser Arg Ser His Leu Ile Asp Ser  
 100 105 110  
 Pro Pro Thr Tyr Asn Ala Asp Tyr Gly Tyr Lys Ser Trp Glu Ala Phe  
 115 120 125  
 Ser Asn Leu Ser Tyr Tyr Thr Arg Ala Leu Pro Pro Val Pro Asp Asp  
 130 135 140  
 Cys Pro Thr Pro Leu Gly Val Lys Gly Lys Lys Gln Leu Pro Asp Ser  
 145 150 155 160  
 Asn Glu Ile Val Glu Lys Leu Leu Leu Arg Arg Lys Phe Ile Pro Asp  
 165 170 175  
 Pro Gln Gly Ser Asn Met Met Phe Ala Phe Phe Ala Gln His Phe Thr  
 180 185 190  
 His Gln Phe Phe Lys Thr Asp His Lys Arg Gly Pro Ala Phe Thr Asn  
 195 200 205  
 Gly Leu Gly His Gly Val Asp Leu Asn His Ile Tyr Gly Glu Thr Leu  
 210 215 220  
 Ala Arg Gln Arg Lys Leu Arg Leu Phe Lys Asp Gly Lys Met Lys Tyr  
 225 230 235 240  
 Gln Ile Ile Asp Gly Glu Met Tyr Pro Pro Thr Val Lys Asp Thr Gln  
 245 250 255  
 Ala Glu Met Ile Tyr Pro Pro Gln Val Pro Glu His Leu Arg Phe Ala  
 260 265 270  
 Val Gly Gln Glu Val Phe Gly Leu Val Pro Gly Leu Met Met Tyr Ala  
 275 280 285  
 Thr Ile Trp Leu Arg Glu His Asn Arg Val Cys Asp Val Leu Lys Gln  
 290 295 300

FIG. 1B

Glu	His	Pro	Glu	Trp	Gly	Asp	Glu	Gln	Leu	Phe	Gln	Thr	Ser	Arg	Leu	305	310	315	320
Ile	Leu	Ile	Gly	Glu	Thr	Ile	Lys	Ile	Val	Ile	Glu	Asp	Tyr	Val	Gln	325	330		335
His	Leu	Ser	Gly	Tyr	His	Phe	Lys	Leu	Lys	Phe	Asp	Pro	Glu	Leu	Leu	340	345		350
Phe	Asn	Lys	Gln	Phe	Gln	Tyr	Gln	Asn	Arg	Ile	Ala	Ala	Glu	Phe	Asn	355	360	365	
Thr	Leu	Tyr	His	Trp	His	Pro	Leu	Leu	Pro	Asp	Thr	Phe	Gln	Ile	His	370	375	380	
Asp	Gln	Lys	Tyr	Asn	Tyr	Gln	Gln	Phe	Ile	Tyr	Asn	Asn	Ser	Ile	Leu	385	390	395	400
Leu	Glu	His	Gly	Ile	Thr	Gln	Phe	Val	Glu	Ser	Phe	Thr	Arg	Gln	Ile	405	410		415
Ala	Gly	Arg	Val	Ala	Gly	Gly	Arg	Asn	Val	Pro	Pro	Ala	Val	Gln	Lys	420	425		430
Val	Ser	Gln	Ala	Ser	Ile	Asp	Gln	Ser	Arg	Gln	Met	Lys	Tyr	Gln	Ser	435	440	445	